Seventeenth Marcel Grossmann Meeting



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The progress of G measurement at HUST

Monday, 8 July 2024 15:00 (30 minutes)

This work introduces the experimental progress of the measurement of gravitational constant G at Huazhong University of Science and Technology. We intend to carry out the measurement with the silicon spheres. The surface separation between the spheres is measured with the laser interferometry with an uncertainty of less than 0.1 um. The expected uncertainty of G is better than 10ppm.

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